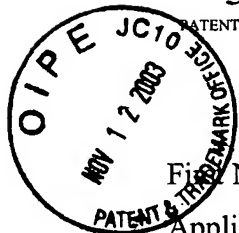




32692

PATENT TRADEMARK OFFICE

Patent  
Case No.: 56210US004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filed: Named Inventor: JING, NAIYONG

Application No.: 10/647523

Group Art Unit:

Filed: August 25, 2003

Examiner: Unknown

Title: FLUOROPOLYMER BONDING COMPOSITION AND METHOD

INFORMATION DISCLOSURE STATEMENTCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

November 10, 2003  
Date  
Signed by: Carol Decaire

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

November 10, 2003  
Date

By:

  
Brian E. Szymanski, Reg. No.: 39,523  
Telephone No.: (651) 737-9138Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number

10/647523

Filing Date

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First Named Inventor

Jing, Naiyong

Art Unit

Examiner Name

Attorney Case Number

56210US004

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Page 1 of 3

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 2,789,063	04/16/1957	Purvis et al	
	A2	US- 3,563,871	02/16/1971	Newman et al	
	A3	US- 4,112,139	09/05/1978	Shirk et al	
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	A27	US- 5,859,086	01/12/1999	Freund et al	
	A28	US- 6,057,014	05/02/2000	Fuller	

\*Examiner:

Date Considered:

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Information Disclosure Statement)

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Application Number**

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**First Named Inventor**

Jing, Naiyong

**Art Unit****Examiner Name****Attorney Case Number**

56210US004

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A29	US- 6,117,497	09/12/2000	Murahara et al	
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Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	JP	06-279590	10/04/1994			X Abstract only
	B2	JP	07-179628	07/18/1995			X Abstract only
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	B9	PCT	WO 96/05965 A1	02/29/1996			X
	B10	PCT	WO 00/52084	09/08/2000			X

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Appl. Phys. Lett., Vol. 54, No. 1, January 2, 1989, ©1988 American Institute of Physics, "Ablation of Polytetrafluoroethylene (Teflon) with Femtosecond UV Excimer Laser Pulses", S. Küper and M. Stuke, p. 4-6.
	C2	Appl. Phys. Lett., Vol. 63, No. 25, December 20, 1993, "Surface Modification and Metallization of Fluorocarbon Polymers by Excimer Laser Processing", H. Niino and A. Yabe
	C3	Chemistry Letters, pp. 1637-1638, 1993; ©The Chemical Society of Japan, "Endowment With The Wettability On The Surface Of Tetrafluoroethylene-Perfluoroalkyl Vinyl Ether Copolymer By Excimer Laser Irradiation"; Atsushi Okada, Yasuo Negishi, Yuichi Shimizu, Shun'ichi Sugimoto, Masanobu Nishii, and Shunichi Kawanishi
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	C5	Dahm, R., in: "Surface Analysis and Pretreatment of Plastics and Metals", Applied Science Publishers, New York, 1982, p. 1-11

**\*Examiner:****Date Considered:**

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Page 3 of 3

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## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C6	Siperko, L.M.; Thomas, R.R.; <u>Journal Adhesion Sci. Technol.</u> 1989, Vol. 3, p. 157
	C7	Rye, R.R.; Arnold, G.W.; <u>Langmuir</u> , 1989, Vol. 5, p. 1331
	C8	Clark, D.T.; Hutton, D.R.; <u>Journal Polym. Sci., Polym. Chem. Ed.</u> , 1987, Vol. 25, p. 2643
	C9	Weismann, S.I.; <u>Journal Phys. Chem.</u> , 1954, Vol. 22, p. 1135
	C10	Yao, T.; Musha, S.; Munemori, M.; <u>Chem. Lett.</u> , 1974, p. 939
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	C17	Marsella, J.A.; Gilicinski, A.G.; Coughlin, A.M.; Pez, G.P.; <u>Journal Organic Chem.</u> , 1992, Vol. 57, p. 2856
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	C19	Burdeniuc, J.; Crabtree, R.H.; <u>Science</u> , 1996, 271, 340
	C20	Kaprinidis, N.A.; Turro, N.J.; <u>Tetrahedron Lett.</u> , 1996, 37, 2373
	C21	Plueddemann, E.P.; <u>Silane Coupling Agents</u> , 1982, Plenum Press, NY, pp. 188-205
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	C25	Related Application U.S. Serial No. 09/862,124, filed May 21, 2001, Attorney Docket No. 56211US002, now Publication No. 2002-0197481-A1
	C26	Related Application U.S. Serial No. 09/862,125, Filed May 21, 2001, Attorney Docket No. 56212US002, now allowed

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